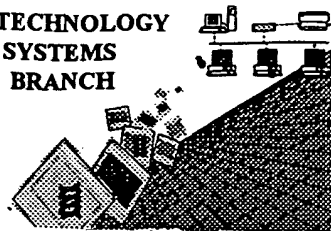


re-run To: n

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/816,460
Source: OIP
Date Processed by STIC: 8/14/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

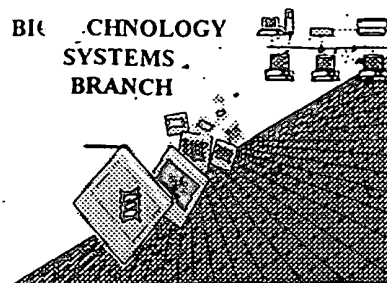
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

0570
0815

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/816,460
Source: OIPE
Date Processed by STIC: 08/14/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST 25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

OIPE

RAW SEQUENCE LISTING

DATE: 08/14/2001

PATENT APPLICATION: US/09/816,460

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

Does Not Comply
Corrected Diskette Needed

3 <110> APPLICANT: Dairkee, Shanaz H.
 4 Li, Zheng
 6 <120> TITLE OF INVENTION: PROGNOSTIC METHODS FOR BREAST CANCER
 8 <130> FILE REFERENCE: CPMC-010/00US
 10 <140> CURRENT APPLICATION NUMBER: US 09/816,460
 11 <141> CURRENT FILING DATE: 2001-03-23
 13 <160> NUMBER OF SEQ ID NOS: 47
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 21
 19 <212> TYPE: DNA
 C--> 20 <213> ORGANISM: Artificial
 W--> 22 <220> FEATURE:
 W--> 22 <223> OTHER INFORMATION:
 22 <400> SEQUENCE: 1
 23 gaacagtcgt cgccacatct c
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 19
 28 <212> TYPE: DNA
 C--> 29 <213> ORGANISM: Artificial
 W--> 31 <220> FEATURE:
 W--> 31 <223> OTHER INFORMATION:
 31 <400> SEQUENCE: 2
 32 tgagctccca ttctctgctc
 35 <210> SEQ ID NO: 3
 36 <211> LENGTH: 24
 37 <212> TYPE: DNA
 C--> 38 <213> ORGANISM: Artificial
 W--> 40 <220> FEATURE:
 W--> 40 <223> OTHER INFORMATION:
 40 <400> SEQUENCE: 3
 41 tgatgacatc aagaagggtgg tgaa
 44 <210> SEQ ID NO: 4
 45 <211> LENGTH: 23
 46 <212> TYPE: DNA
 C--> 47 <213> ORGANISM: Artificial
 W--> 49 <220> FEATURE:
 W--> 49 <223> OTHER INFORMATION:
 49 <400> SEQUENCE: 4
 50 tccttgagg ccatgtgggc cat
 53 <210> SEQ ID NO: 5
 54 <211> LENGTH: 20
 55 <212> TYPE: DNA
 C--> 56 <213> ORGANISM: Artificial
 W--> 58 <220> FEATURE:
 W--> 58 <223> OTHER INFORMATION:
 58 <400> SEQUENCE: 5

Errored When Field 213 is Artificial Sequence or Unknown, description is required in fields 221, 222 and 223.

21
19
24
23

The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

```

59 gactggcatt ttgcatttgt                                20
62 <210> SEQ ID NO: 6
63 <211> LENGTH: 20
64 <212> TYPE: DNA
C--> 65 <213> ORGANISM: Artificial
W--> 67 <220> FEATURE:
W--> 67 <223> OTHER INFORMATION:
67 <400> SEQUENCE: 6
68 agacaagcaa aagctctttg                                20
71 <210> SEQ ID NO: 7
72 <211> LENGTH: 19
73 <212> TYPE: DNA
C--> 74 <213> ORGANISM: Artificial
W--> 76 <220> FEATURE:
W--> 76 <223> OTHER INFORMATION:
76 <400> SEQUENCE: 7
77 tccatctctg aatcaatgt                                19
80 <210> SEQ ID NO: 8
81 <211> LENGTH: 19
82 <212> TYPE: DNA
C--> 83 <213> ORGANISM: Artificial
W--> 85 <220> FEATURE:
W--> 85 <223> OTHER INFORMATION:
85 <400> SEQUENCE: 8
86 gcaatggaat gaaatgaca                                19
89 <210> SEQ ID NO: 9
90 <211> LENGTH: 24
91 <212> TYPE: DNA
C--> 92 <213> ORGANISM: Artificial
W--> 94 <220> FEATURE:
W--> 94 <223> OTHER INFORMATION:
94 <400> SEQUENCE: 9
95 gtttttaggg attggtaatt tggt                            24
98 <210> SEQ ID NO: 10
99 <211> LENGTH: 21
100 <212> TYPE: DNA
C--> 101 <213> ORGANISM: Artificial
W--> 103 <220> FEATURE:
W--> 103 <223> OTHER INFORMATION:
103 <400> SEQUENCE: 10
104 gaccacccta ttccaccact a                                21
107 <210> SEQ ID NO: 11
108 <211> LENGTH: 22
109 <212> TYPE: DNA
C--> 110 <213> ORGANISM: Artificial
W--> 112 <220> FEATURE:
W--> 112 <223> OTHER INFORMATION:
112 <400> SEQUENCE: 11
113 caaactaata acacccccac ca                                22

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

```

116 <210> SEQ ID NO: 12
117 <211> LENGTH: 24
118 <212> TYPE: DNA
C--> 119 <213> ORGANISM: Artificial
W--> 121 <220> FEATURE:
W--> 121 <223> OTHER INFORMATION:
121 <400> SEQUENCE: 12
122 ggtaatttgg ttagaggatc gcgc 24
125 <210> SEQ ID NO: 13
126 <211> LENGTH: 23
127 <212> TYPE: DNA
C--> 128 <213> ORGANISM: Artificial
W--> 130 <220> FEATURE:
W--> 130 <223> OTHER INFORMATION:
130 <400> SEQUENCE: 13
131 cgtcgtaaga attcggaggg gtg 23
134 <210> SEQ ID NO: 14
135 <211> LENGTH: 28
136 <212> TYPE: DNA
C--> 137 <213> ORGANISM: Artificial
W--> 139 <220> FEATURE:
W--> 139 <223> OTHER INFORMATION:
139 <400> SEQUENCE: 14
140 tattggtaat ttggttagag gattgtgt 28
143 <210> SEQ ID NO: 15
144 <211> LENGTH: 25
145 <212> TYPE: DNA
C--> 146 <213> ORGANISM: Artificial
W--> 148 <220> FEATURE:
W--> 148 <223> OTHER INFORMATION:
148 <400> SEQUENCE: 15
149 tgttgtaaga atttggaggg gtgtg 25
152 <210> SEQ ID NO: 16
153 <211> LENGTH: 21
154 <212> TYPE: DNA
C--> 155 <213> ORGANISM: Artificial
W--> 157 <220> FEATURE:
W--> 157 <223> OTHER INFORMATION:
157 <400> SEQUENCE: 16
158 atagagccac actttgtctc a 21
161 <210> SEQ ID NO: 17
162 <211> LENGTH: 21
163 <212> TYPE: DNA
C--> 164 <213> ORGANISM: Artificial
W--> 166 <220> FEATURE:
W--> 166 <223> OTHER INFORMATION:
166 <400> SEQUENCE: 17
167 tctttgagaa ccaactgtctc c 21
170 <210> SEQ ID NO: 18

```

RAW SEQUENCE LISTING

DATE: 08/14/2001

PATENT APPLICATION: US/09/816,460

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

```

171 <211> LENGTH: 25
172 <212> TYPE: DNA
C--> 173 <213> ORGANISM: Artificial
W--> 175 <220> FEATURE:
W--> 175 <223> OTHER INFORMATION:
175 <400> SEQUENCE: 18
176 cctatctcca tctatttattc tgtct 25
179 <210> SEQ ID NO: 19
180 <211> LENGTH: 20
181 <212> TYPE: DNA
C--> 182 <213> ORGANISM: Artificial
W--> 184 <220> FEATURE:
W--> 184 <223> OTHER INFORMATION:
184 <400> SEQUENCE: 19
185 aatcagatcc ccttggaag 20
188 <210> SEQ ID NO: 20
189 <211> LENGTH: 20
190 <212> TYPE: DNA
C--> 191 <213> ORGANISM: Artificial
W--> 193 <220> FEATURE:
W--> 193 <223> OTHER INFORMATION:
193 <400> SEQUENCE: 20
194 taccttcctt cccactctt 20
197 <210> SEQ ID NO: 21
198 <211> LENGTH: 20
199 <212> TYPE: DNA
C--> 200 <213> ORGANISM: Artificial
W--> 202 <220> FEATURE:
W--> 202 <223> OTHER INFORMATION:
202 <400> SEQUENCE: 21
203 caaaccagaa gtgggagaga 20
206 <210> SEQ ID NO: 22
207 <211> LENGTH: 24
208 <212> TYPE: DNA
C--> 209 <213> ORGANISM: Artificial
W--> 211 <220> FEATURE:
W--> 211 <223> OTHER INFORMATION:
211 <400> SEQUENCE: 22
212 agtacaaata cacacaaatg tctc 24
215 <210> SEQ ID NO: 23
216 <211> LENGTH: 17
217 <212> TYPE: DNA
C--> 218 <213> ORGANISM: Artificial
W--> 220 <220> FEATURE:
W--> 220 <223> OTHER INFORMATION:
220 <400> SEQUENCE: 23
221 gcaaatacggt cattgct 17
224 <210> SEQ ID NO: 24
225 <211> LENGTH: 20

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

```

226 <212> TYPE: DNA
C--> 227 <213> ORGANISM: Artificial
W--> 229 <220> FEATURE:
W--> 229 <223> OTHER INFORMATION:
      229 <400> SEQUENCE: 24
      230 catttttaggt ggacgtctgc 20
      233 <210> SEQ ID NO: 25
      234 <211> LENGTH: 20
      235 <212> TYPE: DNA
C--> 236 <213> ORGANISM: Artificial
W--> 238 <220> FEATURE:
W--> 238 <223> OTHER INFORMATION:
      238 <400> SEQUENCE: 25
      239 aaccaccatg tcacgtgtat 20
      242 <210> SEQ ID NO: 26
      243 <211> LENGTH: 16
      244 <212> TYPE: DNA
C--> 245 <213> ORGANISM: Artificial
W--> 247 <220> FEATURE:
W--> 247 <223> OTHER INFORMATION:
      247 <400> SEQUENCE: 26
      248 gtgcccttcc agagtt 16
      251 <210> SEQ ID NO: 27
      252 <211> LENGTH: 18
      253 <212> TYPE: DNA
C--> 254 <213> ORGANISM: Artificial
W--> 256 <220> FEATURE:
W--> 256 <223> OTHER INFORMATION:
      256 <400> SEQUENCE: 27
      257 agtgaggcat ccactacc 18
      260 <210> SEQ ID NO: 28
      261 <211> LENGTH: 21
      262 <212> TYPE: DNA
C--> 263 <213> ORGANISM: Artificial
W--> 265 <220> FEATURE:
W--> 265 <223> OTHER INFORMATION:
      265 <400> SEQUENCE: 28
      266 catctttctt ttctgttcc c 21
      269 <210> SEQ ID NO: 29
      270 <211> LENGTH: 24
      271 <212> TYPE: DNA
C--> 272 <213> ORGANISM: Artificial
W--> 274 <220> FEATURE:
W--> 274 <223> OTHER INFORMATION:
      274 <400> SEQUENCE: 29
      275 gataccatat tcaacatgaa gagg 24
      278 <210> SEQ ID NO: 30
      279 <211> LENGTH: 21
      280 <212> TYPE: DNA

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:24

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

L:20 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:22 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:22 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:29 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:31 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:31 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:38 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:40 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:40 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:47 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:49 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:49 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:56 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:58 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:58 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:65 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:67 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:67 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:74 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:76 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:76 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:83 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:85 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:85 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:92 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:94 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:94 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:101 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:103 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:103 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:110 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:112 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:112 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:119 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:121 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:121 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:128 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:130 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:130 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:137 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:139 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:139 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:146 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:148 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:148 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:155 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:157 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:157 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:24

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

L:164 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:166 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:166 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:173 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:175 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:175 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:182 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:184 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:184 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:191 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:193 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:193 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:200 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:202 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:202 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:209 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:211 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:211 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:218 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:220 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:220 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:227 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:229 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:229 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:236 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:238 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:238 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:245 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:254 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:263 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:272 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:281 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:290 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:299 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:308 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:317 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35
L:335 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:36
L:344 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:37
L:353 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:362 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:371 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40
L:380 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
L:389 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:398 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:407 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:416 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:425 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46
L:434 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/816,460

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPIIA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
 prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
 Numbering use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
 ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules,
 each n or Xaa can only represent a single residue. Please present the maximum number of each
 residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) . Normally, PatentIn would automatically generate this section from the
 previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
 the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
 Artificial or Unknown sequences.

- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
 is Artificial Sequence

- 11 Use of <220> Sequence(s) 1-25 (maybe more) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
 "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

OIPE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

3 <110> APPLICANT: Dairkee, Shanaz H.
 4 Li, Zheng
 6 <120> TITLE OF INVENTION: PROGNOSTIC METHODS FOR BREAST CANCER
 8 <130> FILE REFERENCE: CPMC-010/00US
 10 <140> CURRENT APPLICATION NUMBER: US 09/816,460
 11 <141> CURRENT FILING DATE: 2001-03-23
 13 <160> NUMBER OF SEQ ID NOS: 47
 15 <170> SOFTWARE: PatentIn version 3.1
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 21
 19 <212> TYPE: DNA
 C--> 20 <213> ORGANISM: Artificial
 W--> 22 <220> FEATURE:
 W--> 22 <223> OTHER INFORMATION:
 22 <400> SEQUENCE: 1
 23 gaacagtcgt cgccacatct c
 26 <210> SEQ ID NO: 2
 27 <211> LENGTH: 19
 28 <212> TYPE: DNA
 C--> 29 <213> ORGANISM: Artificial
 W--> 31 <220> FEATURE:
 W--> 31 <223> OTHER INFORMATION:
 31 <400> SEQUENCE: 2
 32 tgagctccca ttctctgctc
 35 <210> SEQ ID NO: 3
 36 <211> LENGTH: 24
 37 <212> TYPE: DNA
 C--> 38 <213> ORGANISM: Artificial
 W--> 40 <220> FEATURE:
 W--> 40 <223> OTHER INFORMATION:
 40 <400> SEQUENCE: 3
 41 tgatgacatc aagaaggtgg tgaa
 44 <210> SEQ ID NO: 4
 45 <211> LENGTH: 23
 46 <212> TYPE: DNA
 C--> 47 <213> ORGANISM: Artificial
 W--> 49 <220> FEATURE:
 W--> 49 <223> OTHER INFORMATION:
 49 <400> SEQUENCE: 4
 50 tccttgagg ccatgtgggc cat
 53 <210> SEQ ID NO: 5
 54 <211> LENGTH: 20
 55 <212> TYPE: DNA
 C--> 56 <213> ORGANISM: Artificial
 W--> 58 <220> FEATURE:
 W--> 58 <223> OTHER INFORMATION:
 58 <400> SEQUENCE: 5

Does Not Comply
 Corrected Diskette Needed

Errors When field 213 is Artificial Sequence
 or Unknown, description is required in
 fields 221, 222 and 223.

(see item 11 on Enol
 Summary
 sheet)

21
 19
 24
 23

The types of errors shown exist throughout the Sequence Listing. Please check
 subsequent sequences for similar errors.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001
TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt
Output Set: N:\CRF3\08142001\I816460.raw

59 gactggcatt ttgcatttgt		20
62 <210> SEQ ID NO: 6		
63 <211> LENGTH: 20		
64 <212> TYPE: DNA		
C--> 65 <213> ORGANISM: Artificial		
W--> 67 <220> FEATURE:		
W--> 67 <223> OTHER INFORMATION:		
67 <400> SEQUENCE: 6		
68 agacaagcaa aagctctttg		20
71 <210> SEQ ID NO: 7		
72 <211> LENGTH: 19		
73 <212> TYPE: DNA		
C--> 74 <213> ORGANISM: Artificial		
W--> 76 <220> FEATURE:		
W--> 76 <223> OTHER INFORMATION:		
76 <400> SEQUENCE: 7		
77 tccatctctg aatcaatgt		19
80 <210> SEQ ID NO: 8		
81 <211> LENGTH: 19		
82 <212> TYPE: DNA		
C--> 83 <213> ORGANISM: Artificial		
W--> 85 <220> FEATURE:		
W--> 85 <223> OTHER INFORMATION:		
85 <400> SEQUENCE: 8		
86 gcaatggaat gaaatgaca		19
89 <210> SEQ ID NO: 9		
90 <211> LENGTH: 24		
91 <212> TYPE: DNA		
C--> 92 <213> ORGANISM: Artificial		
W--> 94 <220> FEATURE:		
W--> 94 <223> OTHER INFORMATION:		
94 <400> SEQUENCE: 9		
95 gttttagggt attggtaatt tggt		24
98 <210> SEQ ID NO: 10		
99 <211> LENGTH: 21		
100 <212> TYPE: DNA		
C--> 101 <213> ORGANISM: Artificial		
W--> 103 <220> FEATURE:		
W--> 103 <223> OTHER INFORMATION:		
103 <400> SEQUENCE: 10		
104 gaccacccta ttccaccact a		21
107 <210> SEQ ID NO: 11		
108 <211> LENGTH: 22		
109 <212> TYPE: DNA		
C--> 110 <213> ORGANISM: Artificial		
W--> 112 <220> FEATURE:		
W--> 112 <223> OTHER INFORMATION:		
112 <400> SEQUENCE: 11		
113 caaactaata acacccccac ca		22

same error

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001.

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

116 <210> SEQ ID NO: 12
 117 <211> LENGTH: 24
 118 <212> TYPE: DNA
 C--> 119 <213> ORGANISM: Artificial
 W--> 121 <220> FEATURE:
 W--> 121 <223> OTHER INFORMATION:
 121 <400> SEQUENCE: 12
 122 ggtaatttgg ttagaggatc gcgc 24
 125 <210> SEQ ID NO: 13
 126 <211> LENGTH: 23
 127 <212> TYPE: DNA
 C--> 128 <213> ORGANISM: Artificial
 W--> 130 <220> FEATURE:
 W--> 130 <223> OTHER INFORMATION:
 130 <400> SEQUENCE: 13
 131 cgtcgtaaga attcggaggg gtg 23
 134 <210> SEQ ID NO: 14
 135 <211> LENGTH: 28
 136 <212> TYPE: DNA
 C--> 137 <213> ORGANISM: Artificial
 W--> 139 <220> FEATURE:
 W--> 139 <223> OTHER INFORMATION:
 139 <400> SEQUENCE: 14
 140 tatttgtaat ttggttagag gattgtgt 28
 143 <210> SEQ ID NO: 15
 144 <211> LENGTH: 25
 145 <212> TYPE: DNA
 C--> 146 <213> ORGANISM: Artificial
 W--> 148 <220> FEATURE:
 W--> 148 <223> OTHER INFORMATION:
 148 <400> SEQUENCE: 15
 149 tgttgtaaga atttggaggg gtgtg 25
 152 <210> SEQ ID NO: 16
 153 <211> LENGTH: 21
 154 <212> TYPE: DNA
 C--> 155 <213> ORGANISM: Artificial
 W--> 157 <220> FEATURE:
 W--> 157 <223> OTHER INFORMATION:
 157 <400> SEQUENCE: 16
 158 atagagccac actttgtctc a 21
 161 <210> SEQ ID NO: 17
 162 <211> LENGTH: 21
 163 <212> TYPE: DNA
 C--> 164 <213> ORGANISM: Artificial
 W--> 166 <220> FEATURE:
 W--> 166 <223> OTHER INFORMATION:
 166 <400> SEQUENCE: 17
 167 tctttgagaa ccaactgtctc c 21
 170 <210> SEQ ID NO: 18

same error

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

171 <211> LENGTH: 25
 172 <212> TYPE: DNA
 C--> 173 <213> ORGANISM: Artificial
 W--> 175 <220> FEATURE:
 W--> 175 <223> OTHER INFORMATION:
 175 <400> SEQUENCE: 18
 176 cctatctcca tctatttate tgtct 25
 179 <210> SEQ ID NO: 19
 180 <211> LENGTH: 20
 181 <212> TYPE: DNA
 C--> 182 <213> ORGANISM: Artificial
 W--> 184 <220> FEATURE:
 W--> 184 <223> OTHER INFORMATION:
 184 <400> SEQUENCE: 19
 185 aatcagatcc ccttggaag 20
 188 <210> SEQ ID NO: 20
 189 <211> LENGTH: 20
 190 <212> TYPE: DNA
 C--> 191 <213> ORGANISM: Artificial
 W--> 193 <220> FEATURE:
 W--> 193 <223> OTHER INFORMATION:
 193 <400> SEQUENCE: 20
 194 taccttcctt cccactctt 20
 197 <210> SEQ ID NO: 21
 198 <211> LENGTH: 20
 199 <212> TYPE: DNA
 C--> 200 <213> ORGANISM: Artificial
 W--> 202 <220> FEATURE:
 W--> 202 <223> OTHER INFORMATION:
 202 <400> SEQUENCE: 21
 203 caaaccagaa gtgggagaga 20
 206 <210> SEQ ID NO: 22
 207 <211> LENGTH: 24
 208 <212> TYPE: DNA
 C--> 209 <213> ORGANISM: Artificial
 W--> 211 <220> FEATURE:
 W--> 211 <223> OTHER INFORMATION:
 211 <400> SEQUENCE: 22
 212 agtacaata cacacaaatg tctc 24
 215 <210> SEQ ID NO: 23
 216 <211> LENGTH: 17
 217 <212> TYPE: DNA
 C--> 218 <213> ORGANISM: Artificial
 W--> 220 <220> FEATURE:
 W--> 220 <223> OTHER INFORMATION:
 220 <400> SEQUENCE: 23
 221 gcaaatacgtt cattgct 17
 224 <210> SEQ ID NO: 24
 225 <211> LENGTH: 20

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001
 TIME: 12:28:23

Input Set : A:\CPMC-010-00US.txt
 Output Set: N:\CRF3\08142001\I816460.raw

226 <212> TYPE: DNA
 C--> 227 <213> ORGANISM: Artificial
 W--> 229 <220> FEATURE:
 W--> 229 <223> OTHER INFORMATION:
 229 <400> SEQUENCE: 24
 230 catttttaggt ggacgtctgc 20
 233 <210> SEQ ID NO: 25
 234 <211> LENGTH: 20
 235 <212> TYPE: DNA
 C--> 236 <213> ORGANISM: Artificial
 W--> 238 <220> FEATURE:
 W--> 238 <223> OTHER INFORMATION:
 238 <400> SEQUENCE: 25
 239 aaccaccatg tcacgtgtat 20
 242 <210> SEQ ID NO: 26
 243 <211> LENGTH: 16
 244 <212> TYPE: DNA
 C--> 245 <213> ORGANISM: Artificial
 W--> 247 <220> FEATURE:
 W--> 247 <223> OTHER INFORMATION:
 247 <400> SEQUENCE: 26
 248 gtgcccttcc agagtt 16
 251 <210> SEQ ID NO: 27
 252 <211> LENGTH: 18
 253 <212> TYPE: DNA
 C--> 254 <213> ORGANISM: Artificial
 W--> 256 <220> FEATURE:
 W--> 256 <223> OTHER INFORMATION:
 256 <400> SEQUENCE: 27
 257 agtgaggcat ccactacc 18
 260 <210> SEQ ID NO: 28
 261 <211> LENGTH: 21
 262 <212> TYPE: DNA
 C--> 263 <213> ORGANISM: Artificial
 W--> 265 <220> FEATURE:
 W--> 265 <223> OTHER INFORMATION:
 265 <400> SEQUENCE: 28
 266 catctttctt ttctgttcc c 21
 269 <210> SEQ ID NO: 29
 270 <211> LENGTH: 24
 271 <212> TYPE: DNA
 C--> 272 <213> ORGANISM: Artificial
 W--> 274 <220> FEATURE:
 W--> 274 <223> OTHER INFORMATION:
 274 <400> SEQUENCE: 29
 275 gataccatat tcaacatgaa gagg 24
 278 <210> SEQ ID NO: 30
 279 <211> LENGTH: 21
 280 <212> TYPE: DNA

same

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001

TIME: 12:28:24

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

L:20 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1
L:22 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:22 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:29 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2
L:31 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:31 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:38 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:3
L:40 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:40 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:47 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:4
L:49 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:49 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:56 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:5
L:58 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:58 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:65 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:6
L:67 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:67 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:74 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:7
L:76 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:76 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:83 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:8
L:85 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:85 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:92 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:9
L:94 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:94 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:101 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:10
L:103 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:103 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:110 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11
L:112 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:112 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:119 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:12
L:121 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:121 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:128 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13
L:130 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:130 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:137 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14
L:139 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:139 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:146 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:15
L:148 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:148 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:155 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:16
L:157 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:157 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/816,460

DATE: 08/14/2001.

TIME: 12:28:24

Input Set : A:\CPMC-010-00US.txt

Output Set: N:\CRF3\08142001\I816460.raw

L:164 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:17
L:166 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:166 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:173 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:18
L:175 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:175 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:182 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:19
L:184 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:184 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:191 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:20
L:193 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:193 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:200 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:21
L:202 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:202 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:209 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:22
L:211 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:211 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:218 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:23
L:220 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:220 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:227 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:24
L:229 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:229 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:236 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:25
L:238 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:238 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:245 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:26
L:254 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27
L:263 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:28
L:272 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:29
L:281 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:30
L:290 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:31
L:299 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:32
L:308 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:33
L:317 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:34
L:326 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:35
L:335 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:36
L:344 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:37
L:353 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:38
L:362 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:39
L:371 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:40
L:380 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:41
L:389 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:42
L:398 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:43
L:407 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:44
L:416 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45
L:425 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46
L:434 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47

Raw Sequence Listing Error Summary

ERROR DETECTED SUGGESTED CORRECTION

SERIAL NUMBER: 09/816,460

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
 Wrapped Aminos: was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
 . prevent "wrapping."

- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.

- 3 Misaligned Amino The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
 Numbering use space characters, instead.

- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
 ensure your subsequent submission is saved in ASCII text.

- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules,
 each n or Xaa can only represent a single residue. Please present the maximum number of each
 residue having variable length and indicate in the <220>-<223> section that some may be missing.

- 6 PatentIn 2.0 A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
 "bug" sequences(s) . Normally, PatentIn would automatically generate this section from the
 previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
 the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
 Artificial or Unknown sequences.

- 7 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (OLD RULES) (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

- 8 Skipped Sequences Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 (NEW RULES) <210> sequence id number
 <400> sequence id number
 000

- 9 Use of n's or Xaa's Use of n's and/or Xaa's have been detected in the Sequence Listing.
 (NEW RULES) Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

- 10 Invalid <213> Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
 Response scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
 is Artificial Sequence

- 11 ☒ Use of <220> Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
 "Unknown." Please explain source of genetic material in <220> to <223> section.
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

- 12 PatentIn 2.0 Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
 "bug" resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
 listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.